KONONOVA, Viktoriya Abbasovna; VOROB'YEVA, O.A., doktor geol.-mineral.nauk, otv.red.; SMOLIN, P.P., red.izd-va; UL'YANOVA, O.G., tekhn.red.

[Urtite-iolite intrusives of southeastern Tuva and their genesis] Urtit-iiolitovye intruzii iugo-vostochnoi Tuvy i nekotorye voprosy ikh genezisa. Moskva, Izd-vo Akad.nauk SSSR, 1961. 109 p. 8 tables. (Akademiia nauk SSSR. Institut geologii rudnykh mestorozhdenii, petrografii, mineralogii i geokhimii. Trudy, no.60). (MIRA 15:1)

(Tuva Automonous Province--Rocks, Igneous)

KONONOVA, V.A.

Primary foliated Bayan-Kol intrusion of hedenbergite nepheline-syenites. Trudy IGEM no.76:39-70 '62. (MIRA 15:9)
(Bayan-Kol Valley--Syenite)

KONONOVA, V.A.; ORGANOVA, N.I.; LOMEYKO, Ye.I.

Composition and temperature of the crystallization of nepheline from rocks of the ijolite-melteigite series. Izv. AN SSSR. Ser. geol. 30 no.7:65-73 Jl '65. (MIRA 18:7)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR, Moskva.

KONONOVA, V.A.

Morphology of early cytotoxic lesions of the myocardium. Trudy KirgNOAGE no.2:160-162 '65. (MIRA 18:11)

1. Iz Kirgizskogo nauchno-issledovatel'skogo instituta okhrany materinstva i detstva (dir. - A.A.Il'in). Nauchnyye rukovoditeli raboty - prof. B.F.Shagan i dotsent B.M.Shapiro.

ACCESSION NR: AP4009281 S/0125/64/000/001/0021/0024

AUTHOR: Konyushenko, A. T.; Golovkin, R. V.; Kononova, V. L.; Shevakin, Yu. F.

TITLE: Investigating resistance welding of tubing at 300 cps

SOURCE: Avtomaticheskaya svarka, no. 1, 1964, 21-24

TOPIC TAGS: welding, resistance welding, tube welding, 300 cps resistance welding, tube resistance welding

ABSTRACT: An investigation of the possibility of manufacturing welded 8-16-mm tubing equal in strength to seamless tubing is reported. At 100, 200, and 300 cps, tubing (146 batches) was experimentally welded at a rate of 30-87 m/min. It was found that the ultimate strength of the tubing welded at 300 cps was 50 kg/mm^2, and that almost all the specimens broke outside the weld. Specimens 28x0.8-mm welded at 60-70 m/min rate withstood pressures up to 250 atm. A

Card 1/2

ACCESSION NR: AP4009281

frequency of 300 cps is recommended for small- and medium-diameter tubing with 1-3-mm thick walls. The 70-80-m/min rate permits increasing the productivity of the "6-32" tube-welding machine by 20-25%. The inside flash proved to be solid, easy-contoured, 0.3-0.4-mm or less high. Orig. art. has: 4 figures and 1 table.

ASSOCIATION: Moskovskiy trubny*y zavod (Moscow Pipe Works); Moskovskiy institut stali i splavov (Moscow Institute of Steel and Alloys)

SUBMITTED: 28May63 DATE ACQ: 07Feb64 ENCL: 00

SUB CODE: ML NO REF SOV: 003 OTHER: 000

Card 2/2

KONONOVA, V.N.

USSR/Medicine - Dysentery FD-1641

Card 1/1 : Pub. 148-21/28

Author : Yakhnina, N. A.; Kononova, V. N.; and Baykina, V. M.

Title : Intradermal reactions during dysentery

Periodical : Zhur. mikro, epid. i immun. 7, 83-86, Jul 1954

Abstract : A specific intradermal reaction in patients suffering from dysentery elicited by a complete antigen injected into the forearm is described. Gradual extinction of the reaction as the disease proceeds shows the development of antiendotoxic immunity. Species and strain specificity could not be obtained. Results of the investigations are presented on two charts. No references are cited.

Institution : Division of Epidemiology (Head-Prof. I. I. Yelkin) of the Institute of Epidemiology and Microbiology imeni Gamaleya, Academy of Medical Sciences USSR (Dir.-Prof. V. D. Timakov)

Submitted : November 10, 1953

TYUTCHEV, Anatoliy Filippovich; KONONOVA, V.S., red.; GORYACHKINA, R.A., tekhn. red.

[Roadway layout for highways] Razmetka proezzhei chasti avtomobil'nykh dorog. Moskva, Avtotransizdat, 1963. 23 p. (MIRA 16:7)

(Road construction)

BEGMA, Igor' Vladimirovich; TOMAREVSKAYA, Yevgeniya Stepanovna,
dots.; KONONOVA, V.S., red.; BODANOVA, A.P., tekhn.red.

[Design of a highway taking visual perception into consideration] Proektirovanie avtomobil'noi dorogi s uchetom zritel'nogo vospriiatiia. Moskva, Avtotransizdat, 1963. 74 p. (MIRA 16:9)

(Roads--Design)

POPOVA, Zoya Aleksandrovna; KONONOVA, V.S., red.; GORYACHKINA,
R.A., tekhn.red.

[Laboratory manual on soil science and geology] Laboratornyi praktikum po gruntovedeniiu i geologii. Moskva, Avtotransizdat, 1963. 125 p. (MIRA 16:10)
(Soil mechanics) (Road construction)

PODLIKH, Eval'd Germanovich; KONONOVA, V.S., red.

[Investigating the adhesive coefficients of a motor car tire with the pavement] Issledovanie koeffitsientov stsepleniia avtomobil'noi shiny s pokrytiem. Moskva, Avtotransizdat, 1963. 41 p. (MIRA 17:7)

VASIL'YEV, Aleksandr Petrovich; KONONOVA, V.S., red.

[Characteristics of the design of multiple-use automobile roads] Osobennosti proektirovaniia avtomobil'nykh dorog dlia sovmeshchennogo dvizheniia. Moskva, Izd-vo "Transport," 1964. 48 p. (MIRA 17:4)

KUZNETSOV, Dmitriy Mikhaylovich; KONONOVA, V.S., red.; GORYACHKINA, R.A., tekhn. red.

[Manual for the operator of a wheeled scraper] Pamiatka mashinistu skrepera. Moskva, Avtotransizdat, 1963. 29 p.
(MIRA 16:12)

(Road machinery)

KONONOVA, V.S., red.

[Improving the technology of repairing motor-vehicle tires] Usovershenstvovanie tekhnologii remonta avtomobil'nykh shin. Moskva, Transport, 1964. 114 p.
(MIRA 18:4)

1. Moscow. Nauchno-issledovatel'skiy institut avtomobil'nogo transporta.

KOSTIN, Konstantin Aleksandrovich; TSIKUN, Daniil Sergeyevich;
KONONOVA, V.S., red.

[Technical repair-shop cards for the maintenance of units of the M-21 "Volga" automobiles] Tekhnologicheskie postovye karty na tekushchii remont agregatov avtomobilei M-21 "Volga." Moskva, Transport, 1965. 164 p.
(MIRA 18:7)

GOLOVNYA, Mikhail Aleksandrovich; KONONOVA, V.S., red.; GORYACHKINA, R.A., tekhn. red.

[Handbook for workers in the construction of bituminous concrete pavements] Pamiatka asfal'tobetonshchiku na stroitel'stve pokrytii. Moskva, Avtotransizdat, 1963. 19 p. (MIRA 16:6)

(Pavements, Bituminous concrete--Safety measures)

PERETRUKHIN, Vasiliy Ivanovich; KONONOVA, V.S., red.; GALAKTIONOVA,
Ye.N., tekhn. red.

[Boring and blasting operations in open-pit mines] Burovzryvnye raboty v kar'erakh. Moskva, Avtotransizdat, 1963. 31 p.
(MIRA 16:8)

(Blasting) (Boring)

IVANOV, Vyacheslav Aleksandrovich; KONONOVA, V.S., red.; GORYACHKINA, R.A., tekhn. red.

[Handbook for the operator of a compressor station] Pamiatka mashinistu kompressornoi stantsii. Moskva, Avtotransizdat, 1963. 39 p. (MIRA 16:6)
(Air compressors--Safety measures)

KONONOVA, Ye.F., kand.tekhn.nauk; KABANOV, N.M., kand.biologicheskikh nauk;
LYSOGOROVA, I.K., mladshiy nauchnyy sotrudnik

Sanitary characteristic of the deep discharge of industrial waste waters into a reservoir. Gig.i san. 25 no.8:13-18 Ag '60.
(MIRA 13:11)

1. Iz Instituta obshchey i kommunal'noy gigiyeny imeni A.N.Sysina AMN SSSR.

(WATER--POLLUTION)

S/844/62/000/000/076/129
D423/D307

AUTHORS: Khmel'nitskiy, Yu. L., Kononova, Ye. M. and Nesterovskiy, V. V.

TITLE: Radiation polymerization of certain lower mono-olefins

SOURCE: Trudy II Vsesoyuznogo soveshchaniya po radiatsionnoy khimii. Ed. by L. S. Polak. Moscow, Izd-vo AN SSSR, 1962, 450-454

TEXT: The polymerization of propylene and iso-butylene was studied. Purified propylene was polymerized in a stainless steel autoclave, using a Co^{60} γ radiation source, with dose intensity of 400 r/sec. The yield of polymer was determined by weighing, and the physical measurements made included average molecular weight, density, bromine number and viscosity. In a series of experiments carried out over the temperature range -75 to +200°C with an irradiation period of 4 hours, polymer radiation yields of 8.2×10^2 to 4.4×10^3 mol/100 ev of absorbed energy were obtained. Mean molecular weights ranged from 112 to 200. The rate of polymerization increased signi-

Radiation polymerization of ... S/844/62/000/000/076/129
D423/D307

ficantly at higher temperatures. The polymerization of iso-butylene was carried out in sealed glass ampoules under a variety of conditions, using the same γ emitter (400 - 420 r/sec). The data obtained between 0 and -80°C showed that the rate of polymerization (associated with the formation of ionic chains) and the mean molecular weight (M) tended to increase with falling temperature and increasing time of irradiation, M passing through a maximum at 2 hours' irradiation. Concentration and purity of the monomer exerted a considerable influence on the course of the process. Polyisobutylene of high molecular weight may thus be obtained in high yields from high purity monomer by short-period, intensive irradiation. There are 3 tables and 4 figures.

ASSOCIATION: VNII NP

KONONOVA, Ye.P.

Kononova, Ye.P. "The development of the lobal region of the brain of man in utero", Trudy In-ta mozga (Gos. in-t mozga M-va zdravookhraneniya SSSR), Issue 6, 1948, p. 8-43, Tables I-V of an atlas (inserts).

SO: U-3042, 11 March 53, (Letopis 'nykh Statey, No. 9, 1949)

SARKISOV, Semen Aleksandrovich; FILIMONOVA, I.N., redaktor; KONONOVA, Ye.P., redaktor; PREOBRAZHENSKAYA, N.S., redaktor; KUKUYEVA, L.A., redaktor; ZAMBRZHITSKIY, I.A., redaktor; GABERLAND, M.I., tekhnicheskiy redaktor.

[Atlas of the cyto-architectonics of the human cerebral cortex] Atlas tsitoarkhitektoniki kory bol'shogo mozga cheloveka. Pod red. S.A.Sarkisova, i dr. Moskva, Gos.izd-vo meditsinskoi lit-ry, 1955. 276 p.--- Supplement, 203 plates. (MLRA 9:1)

1. Akademiya meditsinskikh nauk SSSR. Institut mozga. (CEREBRAL CORTEX)

KONONOVA, Ye.

"Atlas of anatomy of the brain and spinal cord" by M.Stal'masiak.
Reviewed by E.Kononova. Zhur. nevr. i psikh. 57 no.6:791 '57.
(BRAIN) (SPINAL CORD) (MIRA 10:10)
(STAL'MASIAK, M.)

Kononova, Ye. P.

KONONOVA, Ye.P.

Frontal region of the cerebral cortex in man and its role in the general system of the cortical ends of analysers [with summary in French]. Zhur.nevr. i psikh. 57 no.11:1383-1394 '57. (MIRA 11:1)

1. Institut mozga (dir. - prof. S.A.Sarkisov) AMN SSSR, Moskva.
(CEREBRAL CORTEX, physiology,
frontal region, role in cortical and of analyzers (Rus))
(FRONTAL LOBE, physiology,
funct. role in cortical and of analyzers (Rus))

FILIMONOV, I.N., prof.; KONONOVA, Ye.P., prof.; LAVRENT'YEV, B.I., prof.; PLECHKOVA, Ye.K., prof.; SNESAREV, P.Ye., prof., zasluzhennyy deyatel' nauki; GRASHCHENKOV, N.I., otv.red.; BOGOLEPOV, N.K., prof., red.; DAVIDENKOV, S.N., red.; MIKHEYEV, V.V., prof., red.; RAZDOL'SKIY, I.Ya., red.; SMIRNOV, L.I., red.; FUTER, D.S., prof., red.; SENCHILO, K.K., tekhn.red.

[Multivolume manual on neurology] Mnogotomnoe rukovodstvo po nevrologii. Moskva, Gos.izd-vo med.lit-ry. Vol.1, book 1. [Anatomy and histology of the nervous system] Anatomiia i gistologiia nervnoi sistemy. 1959. 487 p. (MIRA 12:8)

1. Chlen-korrespondent AMN SSSR (for Filimonov, Razdol'skiy, Smirnov). 2. Chlen-korrespondent AN SSSR (for Lavrent'yev, Grashchenkov). 3. Deystvitel'nyy chlen AMN SSSR (for Grashchenkov, Davidenkov).
(NERVOUS SYSTEM)

KONONOVA, Yelizaveta Pigasiyevna; VASIL'YEVA, Z.A., red.; SAFRONOVA, I.M., tekhn. red.

[Frontal region of the cerebrum] Lobnaia oblast' bol'shogo mozga. Leningrad, Medgiz, 1962. 175 p. (MIRA 16:5)
(BRAIN)

KONONOVA, Ye.S., aspirant

Clinical and roentgonological picture of atresia of the uterine cavity. Akush.i gin. 37 no.1:72-75 '61. (MIRA 14:6)

1. Is Instituta akusherstva i ginekologii AMN SSSR (dir. - chlen-korrespondent AMN SSSR prof. P.A. Beloshapko [deceased]; nauchnyy rukovoditel' - prof. S.G. Khaskin).
(UTERUS--ABNORMITIES AND DEFORMITIES)

KONONOVA, Ye.S. (Leningrad, M-66, Narymskiy pr., d.45, kv.51)

Complications in hysterosalpingography. Vest. rent. i rad. 37 no.2: 47-49 Mr-Ap '62. (MIRA 15:4)

1. Iz Instituta akusherstva i ginekologii (dir. - chlen-korrespondent AMN SSSR prof. P.A.Beloshapko [deceased], nauchnyy rukovoditel' - prof. S.G.Khaskin) AMN SSSR.

(FALLOPIAN TUBES--RADIOGRAPHY)
(UTERUS--RADIOGRAPHY) (CONTRAST MEDIA)

KONONOVA, Ye.S.

Transplantation of fetal membranes in some disorders of the menstrual function. Kaz.med.zhur. no.3:58-60 My-Je'63.
(MIRA 16:9)

1. Institut akusherstva i ginekologii AMN SSSR (direktor - prof. M.A. Petrov-Maslakov; nauchnyy rukovoditel' - prof. S.G.Khaskin).

(MENSTRUATION) (FETAL MEMBRANES--TRANSPLANTATION)

KONONOVA, Ye.S.

Endometrial transplantation as a method of treatment of some forms of amenorrhea and sterility. Akush. i gin. no.1:24-28 '63. (MIRA 17:6)

1. Iz 2-go akusherskogo otdeleniya (zav. - rof. S.G. Khaskin) Instituta akusherstva i ginekologii (dir. - prof. M.A. Petrov-Maslakov) AMN SSSR.

KONONOVA, Zh.G.; KRYNETSKAYA, N.N.

Rapid method for determining the impure sodium disilicate modulus.
Nefteper. i neftekhim. no.10:21-22 '63. (MIRA 17:2)

1. Salavatskiy kombinat.

KONONOVA, Z.N.

Treatment of perforated ulcers of the stomach and duodenum.
Khirurgiia 37 no.2:122-123 F '61. (MIRA 14:1)

1. Iz 3-go khirurgicheskogo otdeleniya (zav. Z.N. Kononova)
1-y gorodskoy bol'nitsy (glavnyy vrach - zasluzhenny vrach
RSFSR G.I. Drobyshev) Magnitogorska.
(PEPTIC ULCER)

KONONOVA, Z.N.

Surgical treatment of thyreotoxic goiter. Khirurgiia 34 no.10:136
138 O '58 (MIRA 11:11)

1. Iz 3-go khirurgicheskogo otdeleniya (zav. Z.N. Kononova)
1-y gorodskoy bol'nitsy Magnitogorska (glavnyy vrach - zaslyzhennyy
vrach RSFSR G.I. Drobyshev).
(HYPERTHYROIDISM, surg.
results (Rus))

ACCESSION NR: AP4029696 S/0089/64/016/004/0351/0353

AUTHORS: Kononovich, A.A.; Mitel'man, M.G.; Rozenblyum, N.D.

TITLE: Calculating the nuclear sources of a direct-charge current

SOURCE: Atomnaya energiya, v. 16, no. 4, 1964, 351-353

TOPIC TAGS: energy conversion, radioactive radiation, β particle spectrum, Sr sup 90, I sup 90, isotope, charging current, emitter, collector, infinite electrode, self absorption, duraluminum

ABSTRACT: Described in this report is an attempt to calculate a voltage source produced by a direct charge based on a simple principle. The primary beta-particles of a radioactive isotope escape from an emitter and gather in a collector. The charging current produces a potential difference between the electrodes located in a high vacuum, and is determined by the general activity and spectrum of the beta-particles of the employed radioactive preparation. It is determined also by the voltage on the source electrodes, the geometry of the electrodes, the leakage current produced on the collector by the secondary emission of beta-particles, and the self-

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ACCESSION NR: AP4029696

absorption of beta-particles which reduces the effectiveness of the preparation and displaces the peak of the beta-particle spectrum in the direction of higher energies. The emitter consisted of a plate measuring 100 x 60 mm; Pm^{147} preparations were attached onto that plate. The sheet duraluminum lining the walls of the vacuum chamber served as a collector. The insulation resistance was about 10^{14} ohms, and the capacitance of the system about 10 picofarads. The discrepancy between the experimental and estimated results can be explained by the inaccurate definition of such parameters as resistance, capacitance, activity, etc. Orig. art. has: 2 figures and 3 formulas.

ASSOCIATION: None

SUBMITTED: 14Mar63 DATE ACQ: 01May64 ENCL: 00

SUB CODE: NP NR REF SOV: 002 OTHER: 003

Card 2/2

MITEL'MAN, M.G., inzh.; KONONOVICH, A.A., inzh.; ROZENBLYUM, N.D., doktor khimicheskikh nauk; KIRSANOV, V.S., inzh.; ZAGADKIN, V.A., tekhnik

Nuclear high-voltage sources. Elektrotekhnika 35 no.7:42-44 '64.
(MIRA 17:11)

BUBYREVA, N.S.; DOLIN, P.I.; KONONOVICH, A.A.; ROZENBLYUM, N.D.

Radiolysis of water vapor in the presence of oxide semiconductors ZnO and V_2O_5. Kin.i kat. 6 no.5:936-938 S-O '65. (MIRA 18:11)

KOLYASINSKIY, Zigmund Stanislavovich; KONONOVICH, Anatoliy Vladimirovich; GRIBANOV, A.L., red.; ~~BODANOVA, A.P., tekhn. red.~~

[Mechanization of the dismantling and assembling of trucks] Mekhanizatsiia razborki i sborki gruzovykh avtomobilei. Moskva, Avtotransizdat, 1962. 70 p. (MIRA 15:5)
(Motortrucks—Maintenance and repair)

KCLYASINSKIY, Zigmund Stanislavovich; KONONOVICH, Anatoliy
Vladimirovich; SARKHOSH'YAN, Gurgen Nikitovich;
GRINBERG, P.I., red.; GALAKTIONOVA, Ye.N., tekhn. red.

[Mechanization and automation in motor-vehicle repair shops] Mekhanizatsiia i avtomatizatsiia avtoremontnogo proizvodstva. Moskva, Avtotransizdat, 1963. 165 p.
(MIRA 17:1)

(Motor vehicles--Maintenance and repair)
(Automation)

KONONOVICH, E.V.

Effect of different exposure times of base and calibration photographs on the precision of work in spectrophotometry. Soob.GAISH no.96:62-65 '54. (MLRA 9:3)
(Spectrophotometry)

KONONOVICH, E. V.: Cand Master Phys-Math Sci (diss) -- "A model of the sun's chromosphere from external observations". Moscow, 1958. 11 pp (Moscow State U im M. V. Lomonosov, State Astronomical Inst im P. K. Shternberg), 200 copies (KL, No 1, 1959, 113)

KONONOVICH, Edvard Vladimirovich; SHKLOVSKIY, I.S., doktor fiz.-mat. nauk, red.; RAKHLIN, I.Ye., red.; YERMAKOVA, Ye.A., tekhn. red.

[Solar corona] Solnechnaia korona. Pod red. I.S. Shklovskogo. Moskva, Gos. izd-vo fiziko-matematicheskoi lit-ry, 1958. 86 p. (Populiarnye lektsii po astronomii, no.9). (MIRA 11:10)
(Sun--Corona)

PARIYSKIY, N.N., kand. fiz.-mat. nauk, otv. red.; KONONOVICH, E.V., red.; KUZ'MIN, A.D., kand. tekhn. nauk, red.; MOGILEVSKIY, E.I., kand. fiz.-mat. nauk, red.; MUSTEL', E.R., red.; YEGOROVA, N.B., red. izd-va, KASHINA, P.S., tekhn. red.

[Total solar eclipses of February 25, 1952 and June 30, 1954; proceedings of the expedition] Polnye solnechnye zatmeniia, 25 fevralia g. i 30 iiunia 1954 g.; trudy ekspeditsii. Moskva, 1958. 357 p. (MIRA 11:12)

1. Akademiya nauk SSSR. Ekspeditsiya po nablyudeniyu polnykh solnechnykh zatmeniy, 1952 i 1954. 2. Chlen-korrespondent AN SSSR (for Mustel').

(Eclipses, Solar)

3(1), 24(7)

SOV/55-58-4-4/31

AUTHOR: Kononovich, E.V.

TITLE: Profiles of Hydrogen Lines in the Spectrum of the Chromosphere (Profili vodorodnykh liniy v spektre khromosfery)

PERIODICAL: Vestnik Moskovskogo universiteta, Seriya matematiki, mekhaniki, astronomii, fiziki, khimii, 1958, Nr 4, pp 37-44 (USSR)

ABSTRACT:

The modern spectrophotometric observations of the chromosphere show a strong inhomogeneity and changeability of its structure (compare V.A.Krat, V.M.Sobolev [Ref 4], N.V.Steshenko, Ye.N. Zeyemanek [Ref 13], V.P. Vyazanitsyn [Ref 27] etc.). Compared with this the number of observations is relatively small. That caused the author during the years 1956-1957 to photograph a series of chromosphere-spectra with a large number of emission lines at the Astrophysical Observatory in the Crimea. The present paper contains the evaluation of the material relating to the four first hydrogen lines H_α, H_β, H_γ and H_δ of the Balmer series.

There appear profiles of three forms 1) with characteristic two tops, 2) with a strong eigenabsorption (compressed), 3) Doppler ones. A careful analysis of the results hints to the fact that the photospherical radiation again emitted because of the resonance dispersion, can not explain the appearance of the

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Profiles of Hydrogen Lines in the Spectrum of the Chromosphere SOV/55-58-4-4/31

H-lines of the chromospherical spectrum alone. The hydrogen of the chromosphere must be excited by a stronger source than by photospherical radiation.
There are 2 figures, 1 table, and 28 references, 12 of which are Soviet, 10 American, 2 English, 2 German, 1 French, and 1 Dutch.

ASSOCIATION: Kafedra astrofiziki (Chair of Astrophysics)

SUBMITTED: May 24, 1958

Card 2/2

KONONOVICH, E.V.

SHKLOVSKIY, I.S.; KONONOVICH, E.V.

Models of the solar chromosphere [with summary in English]. Astron. zhur. 35 no.1:37-51 Ja-F '58. (MIRA 11:3)

1. Gosudarstvennyy astronomicheskiy institut im. P.K. Shternberga.
(Astronomical models)

81464

SOV/35-59-8-6371

3.1540

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1959, Nr 8, p 39

AUTHOR: **Kononovich, E.V.**

TITLE: The Infrared Spectrum of Chromosphere

PERIODICAL: Astron. tsirkulyar, 1958, July 3, Nr 193, pp 12 - 13

ABSTRACT: This is a brief report on the results of an investigation of the profiles of lines in the infrared range of the solar chromosphere spectrum. The observational material was obtained with the tower solar telescope of the Crimean Astrophysical Observatory AS USSR in 1956 - 1957. The photographing was made, through an image converter tube, on RF-3 films with an exposure of 0.5 to 5 sec at a dispersion of 2 A/mm. The adopted method made it possible to investigate the lines pertaining to different heights in the chromosphere. The profiles of the following lines were investigated: H $\lambda\lambda$ 10,936 and 10,049, He λ 10,830, Ca II $\lambda\lambda$ 8,662; 8,542; 8,498 and 0 $\lambda\lambda$ 7,775; 7,774 and 7,772. Curves of the following shape:

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The Infrared Spectrum of Chromosphere SOV/35-59-8-6371

$$1 - \exp [- \tau_o (\Delta\lambda/\Delta\lambda_D)^2]$$

were employed for describing all the profiles with exception of the calcium curves which had a two-peak shape. The average characteristics of profiles of the observed lines are presented which pertain to the height range from ~ 2,000 to 4,000 km (equivalent widths, expressed in A of the neighboring continuous spectrum of the Sun's center; the full half-width of the lines; Doppler width and corresponding Doppler speed of the atoms). Discrepancies in speeds calculated from different lines proved to be in the limits of measurement errors; on the average from all lines, the speed is equal to 12 ± 2 km/sec.

G.A. Manova

Card 2/2

KONONOVICH, E.V.

Profile of the L line in solar spectrum. Astron. tsir. no.194: 13-14 Ag '58. (MIRA 12:12)

1.Gosudarstvennyy astronomicheskiy institut im. P.K. Shternberga (GAISh).

(Spectrum, Solar)

16

3(1)

AUTHOR: Kononovich, E.V. SOV/33-36-2-22/27

TITLE: A Nomogram for Determining the Parameters of Profiles of Emission Lines With Self-Absorption

PERIODICAL: Astronomicheskiy zhurnal, 1959, Vol 36, Nr 2, pp 371-373 (USSR)

ABSTRACT: According to /Ref 1/ the profile of an emission line generated by an optically thick homogeneous layer is

$$I_\lambda = p_\lambda \left(1 - e^{-\tau_o H(v)}\right) ,$$

where H(v) is tabulated by Harris /Ref 2/ . If the absorption coefficient depends only on the Doppler effect, then it is

$H(v) = e^{-v^2}$. Then for the Doppler broadening $\Delta\lambda_D$ and for the optical thickness of the layer in the center of the line τ_o it is obtained :

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A Nomogram for Determining the Parameters of Profiles of Emission Lines With Self-Absorption SOV/33-36-2-22/27

$$\Delta\lambda_D = \sqrt{\frac{\Delta\lambda_1^2 - \Delta\lambda_2^2}{Q_2 - Q_1}} = \sqrt{\frac{\Delta\lambda_1^2 - \Delta\lambda_2^2}{(Q_2 - Q_1)\,\mathrm{ch}\,2z}}$$

(7)

$$\ln \tau_0 = \mathrm{ch}\,2z\,\frac{Q_2 - Q_1}{2} + \frac{Q_1 + Q_2}{2},$$

where $2\Delta\lambda_1$, $2\Delta\lambda_2$ are the distances of the profile points with the intensities

$I_{\lambda_1} = c_1 p_\lambda (1 - e^{-\tau_0})$, $I_{\lambda_2} = c_2 p_\lambda (1 - e^{-\tau_0})$ and are measured on the observed profile, whereupon

$$Q_1 = \ln\left\{\pm \ln (1 - c_1 + c_1 e^{-\tau_0})\right\}, \quad Q_2 = \ln\left\{\pm \ln (1 - c_2 + c_2 e^{-\tau_0})\right\}$$

is calculated. For the solution of (7) the authors propose

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A Nomogram for Determining the Parameters of Profiles of Emission Lines With Self-Absorption SOV/33-36-2-22/27

a nomogram.
There are 1 figure, and 3 references, 1 of which is Soviet, and 2 American.

ASSOCIATION: Gosudarstvennyy astronomicheskiy institut imeni P.K. Shternberga (State Astronomical Institute imeni P.K. Shternberg)

SUBMITTED: June 10, 1958

Card 3/3

20879
S/033/61/038/002/002/011
E032/E514

3.1540 (1062,1128,1184)

AUTHOR: Kononovich, E. V.

TITLE: Excitation of Helium and the Structure of the Lower Chromosphere

PERIODICAL: Astronomicheskiy zhurnal, 1961, Vol.38, No.2, pp.218-226

TEXT: The most controversial property of the chromosphere appears to be its temperature. The emission and width of helium lines and the ratio of the line widths of hydrogen and various metals has often been used to show that the chromosphere is at the high temperature of about 30 000°. On the other hand, centimetre and millimetre radio waves, the degree of excitation and ionization of metals, the intensity of the ultraviolet radiation and the absence of forbidden lines and absorption lines of helium, all appear to suggest that the temperature of the chromosphere can hardly exceed 5000 to 10 000°. The principal result which has come out of the controversy about the temperature of the chromosphere is that the chromosphere is not homogeneous. The direct indication of this is the existence of spicules which are observed at heights of 5000 to 10 000 km and the fine structure which is noticeable on spectroheliograms in the K_2 and K_3 lines during exceptionally good

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Excitation of Helium and the ... S/033/61/038/002/002/011
E032/E514

atmospheric conditions and corresponding to heights of 1000 to 4000 km. The most important problem associated with the non-homogeneous nature of the chromosphere is the problem of the excitation of helium. The point is that after hydrogen, helium is the most abundant element and its lines are observed almost exclusively in the chromosphere and the prominences. Finally, special conditions (either a high kinetic temperature or a strong radiation field) are necessary for the excitation of helium. It is shown in the present paper that the degree of ionization of helium in the chromosphere is of the order of unity. In thermodynamic equilibrium and with $n_e = 10^{10}-10^{11}$, this ionization should occur at a temperature of 9000 to 11000°K. On the other hand, in the case of a considerable departure from the thermodynamic equilibrium, when the temperature of the radiation field is considerably lower than the kinetic temperature, the principal mechanism responsible for the ionization and excitation of helium is electron impact. In order to ensure the above degree of ionization under such conditions, or in order to obtain the observed level population, the kinetic temperature should, in accordance with the calculations of

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Excitation of Helium and the ...

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V. M. Sobolev (Ref.7), be of the order of 20 000°. Thus, the most general arguments lead one to conclude that the kinetic temperature of the helium regions of the lower chromosphere should lie between 9000 and 20 000°. Calculations of the ortho- and para-helium level populations indicate that the observed helium line intensities impose certain specific conditions on the structure of the lower chromosphere. In order to explain the helium radiation observed at 3000 km, it is necessary to assume that there are "hot" regions occupying approximately one half of the volume of the chromosphere in which the kinetic temperature is of the order of 15 000°, while the ultraviolet radiation field for $\lambda < 584$ Å corresponds to $T_r \sim 11\ 000$. This radiation is a result of the relatively high kinetic temperature and an appreciable optical thickness of the "hot" regions. The heating of these regions, whose linear dimensions are not less than 700 km, is due to non-radiative sources which for some reason are most effective in the "hot" component. In the central parts of the Lyman lines, the temperature is possibly higher and approaches 15 000°, while the continuous spectrum with $\lambda > 504$ corresponds to a temperature of 6000°. The "hot" regions appear to be

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surrounded by "cold" regions, whose temperature is estimated as 6000 to 8000°. The latter estimate is based on the intensities of hydrogen and metal lines. The ultraviolet emission is completely absorbed by the "cold" regions and cannot be observed. The helium emission in the visible part of the spectrum, on the other hand, passes without hindrance through all the regions of the chromosphere. There are 3 tables and 21 references: 7 Soviet and 14 non-Soviet.

ASSOCIATION: Gos. astronomicheskiy in-t im. P. K. Shternberga
(State Astronomical Institute imeni P. K. Shternberg)

SUBMITTED: July 11, 1960

LINDBLAD, Per Olof; KONONOVICH, E.V [translator]

Gravitational resonance effects and the formation of the spiral structure of the Galaxy. Astron.zhur. 38 no.3:507-520 My-Je '61. (MIRA 14:6)

(Milky Way)

KONONOVICH, Edvard Vladimirovich; FAYNBOYM, I.B., red.; RAKITIN, I.T., tekhn.red.

[The sun reveals its secrets] Solntse otkryvaet tainy. Moskva, Izd-vo "Znanie," 1962. 47 p. (Novoe v zhizni, nauke, tekhnike. IX seriia: Fizika i khimiia, no.3) (MIRA 15:5)
(Sun)

24.6600

S/033/62/039/006/014/024
E032/E314

AUTHOR: Kononovich, E.V.

TITLE: The probability of ionization of hydrogen by electron impact

PERIODICAL: Astronomicheskiy zhurnal, v. 39, no. 6, 1962, 1045 - 1047

TEXT: It is noted that ionization of hydrogen in the solar chromosphere and corona occurs mainly as a result of collisions between neutral atoms and electrons. It is therefore of interest to have a formula for the probability of ionization from the ground level Q_{1i}. The author makes use of the data of Fite and Brackmann (Phys.Rev. 112, 1141, 1958) to obtain an empirical formula for the differential cross-section $q_{1i}(E)$, which is given by

√B

$$q_{1i}(E) = 3.14 \times 10^{-6} \frac{E - \chi_1}{E^{1+\alpha}} \qquad (2)$$

where $\alpha = 0.3$ and E is in eV. Substitution of this result in

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The probability of S/033/62/039/006/014/024
E032/E314

the formula for the probability of the process yields $Q_{1i} \approx \approx 0.89 \times 10^{-10} \sqrt{T_e} \exp(-\chi_1/kT_e)$. This formula may be used to determine the probability of ionization of hydrogen from the ground state for temperatures less than 20 000 - 50 000 °K. The experimental data of Fite and Brackmann must be used directly at higher temperatures. There are 2 figures.

ASSOCIATION: Gos. astronomicheskiy in-t im. P.K. Shternberga (State Astronomical Institute im. P.K. Shternberg)

SUBMITTED: September, 1961

Card 2/2

KONONOVICH, E.V.

Intensity microphotometer. Astron.tsir. no.227:13-15 F '62.
(MIRA 16:1).

1. Gosudarstvennyy astronomicheskiy institut im. Shternberga.
(Microphotometer)

KONONOVICH, E.V.; SHEFOV, N.N.

Variations in the ultraviolet solar radiation and the excitation of emissions in the spectrum of twilight luminescence. Geomag. i aer. 3 no.1:3-9 Ja-F '63. (MIRA 16:4)

1. Institut fiziki atmosfery AN SSSR i Gosudarstvennyy astronomicheskiy institut imeni P.K.Shternberga.
(Solar radiation) (Night sky)

S/2984/63/000/000/0158/0165

ACCESSION NR: AT3008550

AUTHOR: Kononovich, E. V.

TITLE: An intensity microphotometer on the base of MF-4

SOURCE: Novaya tekhnika v astronomii; materialy* soveshch. Komissii priborostroyen. pri Astronom. sovete AN SSSR, Moskva, 18-20 apr. 1961 g. Moscow, Izd-vo AN SSSR, 1963, 158-165

TOPIC TAGS: microphotometer, automatic control, potentiometer EPP 09, photomultiplier FEU 25, microphotometer MF 4, D 104 synchronous motor

ABSTRACT: The use of the standard MF-4 microphotometer does not reduce the great amount of labor required in photometric evaluation of large numbers of negatives, and the accuracy is decreased. The arrangement proposed by the author is essentially a synthesis of the William-Hiltner and Minnaert-Houtgast designs. It was built at the Gosudarstvenny*y astronomicheskiy institut im. P. K. Shternberga (State Astronomical Institute). The photoelement of the MF-4 was replaced by an FEU-25 photomultiplier, and the recording apparatus was replaced by an EPP-09 electronic potentiometer with a carriage passage of 2.5 sec. The

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ACCESSION NR: AT3008550

mirror of the MF-4 galvanometer was removed for convenience in placing the modulator. The resulting setup is shown diagrammatically in Fig. 1 on the Enclosures. The author discusses the operation of the arrangement and some results of its use. It is a rather complex device, but the author concludes that it has great advantage in that the determinative device at all times reacts to ratios of light fluxes from only a single lamp, thus removing the necessity of stabilizing the direction or of controlling the intensity of the photometric lamp. He feels that the possibilities of the device compensate for any increase in complexity and that this complexity is still not too substantial for industrial manufacture of the apparatus. Orig. art. has: 6 figures.

ASSOCIATION: Gos. astronomicheskiy institut im. Shternberga (State Astronomical Institute)

SUBMITTED: 00 DATE ACQ: 16Oct63 ENCL: 01

SUB CODE: EC, AA NO REF SOV: 008 OTHER: 013

Card 2/3

[illegible] 44812-65 EWT(1)/EWG(v)/EEC-4/EEC(t) Pe-5/Pq-4 GW

[illegible]

[illegible]

[illegible] models of chromospheric [illegible]

[illegible]nomicheskiy zhurnal, v. 42, no. [illegible], 19[illegible]

[illegible] fine structure, sp[illegible]
[illegible] line width, [illegible]

ABSTRACT: The fine structure of the solar chromosphere includes spicules which may [illegible] lines. [illegible] and [illegible] were [illegible] in the original article. [illegible] [illegible] intensity gradient [illegible] was determined [illegible] The population [illegible] From the equivalent [illegible] was determined [illegible]

L 44812-65

ACCESSION NR: AP5010425

[illegible] 10^7 sec^{-1}. The population of the CaII level ^2P was determined from the [illegible] triplets 8662, 8542, 8498 Å, the equivalent widths of which are [illegible] level [illegible] spontaneous transitions [illegible] sphere [illegible] equivalent [illegible], which are equal [illegible] spectrum of [illegible] of levels [illegible] ements are compiled in a table in the original article. The hydro- [illegible] the total hy- [illegible] π^{-2} [illegible] are presented [illegible] as dense [illegible] hydrogen and helium. [illegible] the surrounding [illegible] [EG]

[illegible] has: 2 tables, 4 figures, and [illegible]

[illegible] Astronomicheskiy in-t im. P. K. Shternberga (State Astronomical [illegible]

[illegible] 64 ENCL: 00 [illegible] AA

OTHER: 013 [illegible] 3257

KONONOVICH, E.V.

Self-recording GAISH microphotometer with registation in intensities.
Soob.GAISH no.126:44-55 '63. (MIRA 17:2)

KONONOVICH, [redacted] DIZHUR, I.M., red.; TIKHONOVA, Ye.A., tekhn.red.

[History of the "Ermak"] Istoriia "Ermaka." Moskva, Izd-vo "Morskoi transport," 1958. 126 p. (MIRA 12:2)
(Ermak (Ship))

KUZNETSOV, A.K.; SHIFMAN, M.Ye.; KONONOVICH, I.G.; YEVDOKIMOV,
V.I.

Brief reports. Zav.lab. 23 no.7:878-879 '57. (MLRA 10:8)

1.Kiyevskiy mekhanicheskiy zavod for Shifman, Kononovich)
2.Institut obshchey i neorganicheskoy khimii Akademii nauk SSSR (for Yevdokimov)
(Laboratories--Apparatus and supplies)

KOMONOVICH, L., kand.tekhn.nauk

Stereophonic low-frequency amplifiers. Radio no.1:47-50
Ja '60. (MIRA 13:5)
(Amplifiers(Electronics))

KONONOVICH, L., kand.tekhn.nauk

Stereophonic radiobroadcasting. Radio no.4:26-28 Ap '60.
(MIRA 13:8)

(Radiobroadcasting)

KONONOVICH, L., kand. tekhn. nauk; SEMENOV, B., inzh.

Make more extensive use of stereophonic sound systems. Radio no.4:47-49 Ap '64. (MIRA 17:9)

AUTHORS: Abramov, A. Ya., Kononovich, L. I. SOV/32-24-8-19/43

TITLE: The Use of Autoradiography in Investigating Non-Transparent Objects (Primeneniye avtoradiografii k issledovaniyu neprozrachnykh ob"yektov)

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol. 24, Nr 8, pp. 963-965(USSR)

ABSTRACT: The so-called track-autoradiography differs from the usual contrast-radiography in that the distribution of the radioactivity is studied not from the blackening of the emulsion but from the single tracks which the radiation produces in the emulsion. Furthermore, the quantitative determination of the distribution is not carried out photometrically, but by a calculation of the tracks. The method has several disadvantages, but does have the advantage that exceptionally small amounts of radioactive isotopes can be used. This method was used to investigate the distribution of the radioactive lead isotope (ThB) in lead-antimony alloys. In the given analytical procedure it is mentioned that a photographic emulsion (type NR from NIKFI) was used in thicknesses of 10 μ and 15-20 μ. It was observed that the best experimental results were obtained when a greater portion of the half-life

Card 1/2

The Use of Autoradiography in Investigating Non-Transparent Objects SOV/32-24-8-19/43

was used for investigation, in which case the time of exposure can last 6 - 8 days. These investigations were purely methodical in nature, however, and it cannot be assumed that Pb-Sb systems formed under all conditions of alloy formation will contain nothing but the pure components of the alloy. A. P. Turutov participated in the work. There are 2 figures.

ASSOCIATION: Leningradskiy tekhnologicheskiy institut (Leningrad Technological Institute)

Card 2/2

18(7)
AUTHORS: Abramov, A. Ya., Kononovich, L. I. SOV/32-25-9-20/53

TITLE: Determination of Solubility of Lead in Antimony According to the Method of Tracer Counting

PERIODICAL: Zavodskaya laboratoriya, 1959, Vol 25, Nr 9, pp 1081-1083 (USSR)

ABSTRACT: The method already described (Ref 1) for investigating nontransparent objects with the aid of "tracer autoradiography" can also be used for the determination of a slight solubility of the components in polyphase systems. As the data from publications concerning the solubility of lead in antimony are very contradictory (Ref), the above mentioned method was used for these determinations. The atoms of the solved substance were directly counted. A small quantity of radioactive lead was added to the alloy Sb - Pb and a liquid photoemulsion (NIKFI Type M. R.) was then applied to the carefully pre-treated ground specimens. A. P. Turutov developed the emulsion and counted the traces of Pb made visible in the Sb by the α-rays with a microscope (magnification of 600). The computations were made by taking into consideration the radioactive Bi which was present due to the application of a radioactive lead (produced from an active

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Determination of Solubility of Lead in Antimony According to the Method of Tracer Counting SOV/32-25-9-20/53

precipitate of thorium emanation)(Table). From the diagram obtained (Fig) for an alloy with 80% Sb and an alloy with 60% Sb it can be seen that Pb is soluble in antimony by 7.6 - 9.6 wt% or 4.6 - 5.6 atom%. There are 1 figure, 1 table, and 2 Soviet references.

ASSOCIATION: Leningradskiy tekhnologicheskiy institut (Leningrad Technological Institute)

Card 2/2

KONONOVICH, L.I.; ABRAMOV, A.Ya.

Method for calculating the solubility of metals from the radioisotope distribution. Izv. vys. ucheb. zav.; fiz. no. 2:53-59 '64. (MIRA 17:6)

1. Leningradskiy tekhnologicheskiy institut tsellyulozno-bumazhnoy promyshlennosti.

LASHKEVICH, A.M.; TERENT'YEVA, A.A.; IVANOVA, L.S.; BORODULINA, M.A.; VELICHENKO, I.N.; NIKULENKO, V.S.; KONSHINA, T.I.; SHAKHOVA, T.P.; NYASHINA, A.A.; YASINSKAYA, Z.A.; AGAL'TSEVA, N.B.; SEL'MENSKAYA, Ye.G.; KRETSMER, V.L.; KONONOVICH, L.K.; FEDORAYEVA, A.M.; TKACHUK, L.Ya.; VYATKINA, G.A.; SLOUSHCH, V.S.; RACHINSKAYA, L.N.; PORTNAYA, R.Yu.; KARAKOVSKAYA, E.M.; POKROVSKAYA, M.A.; KORNEVA, A.I.; YERSHOVA, K.F., otv. red.; Prinimal uchastiye KAMANOV, M.I., red.; LAGAREVA, A.P., otv. za vypusk; NIKITINA, I.P., tekhn. red.

[Economy of Novosibirsk Province; collection of statistics] Narodnoe khoziaistvo Novosibirskoi oblasti; statisticheskii sbornik. Novosibirsk, Gosstatizdat TsSU SSSR, 1961. 331 p. (MIRA 15:6)

1. Novosibirsk. Oblastnoye statisticheskoye upravleniye. 2. Nachal'nik Statisticheskogo Upravleniya Novosibirskoy oblasti (for Yershov). 3. Zamestitel' nachal'nika Statisticheskogo Upravleniya Novosibirskoy oblasti (for Kamanov).

(Novosibirsk Province—Economic conditions)

KONONOVICH, L.M., kand.tekhn.nauk

Stereophonic radiobroadcasting. Vest. sviazi 23 no.7:12-13 Jl '63. (MIRA 17:2)

USSR/Electronics - Oscillators FD-2295

Card 1/1 Pub 90-8/12

Author : Kononovich, L. M.

Title : Selection of Feedback Circuit in RC Oscillators

Periodical : Radiotekhnika 10, 70-71, Jan 1955

Abstract : Stating that any tube oscillator consists of an amplifier and a feedback system, that the quality of an oscillator depends on the properties of the feedback system, and that feedback quality is determined solely by the Q of the circuit, the author reduces the parameters determining feedback system quality to two which he calls equivalent Q and the suppression factor (for harmonics). He derives formulas for calculating these in different cases and discusses their utilization.

Institution: --

Submitted : January 17, 1951

KONONOVICH, L.M.

SUBJECT	USSR / PHYSICS	CARD 1 / 3	PA - 13.1
AUTHOR	KONONOWIČ, L.M.		
TITLE	The Computation of Parasitic Capacities on the Occasion of the Mounting of a Radio Apparatus from Printed Elements.		
PERIODICAL	Radiotechnika, 11, fasc. 8, 64-70 (1956) Issued: 9 / 1956 reviewed: 10 / 1956		

The application of printed schemes in the production of radio apparatus is one of the best ways that lead to the mechanization and automatization of the mounting of radiotechnological produces. In the present work methods are described by means of which it is possible to carry out the computation of parasitic capacities between printed conductors for the most typical configurations. Also the formula for the computation of capacities between the printed conductor and the apparatus body is described. For the setting up of the formulae the method of conformal representation is employed. Two concentric lines are taken as a basis the capacity of which per unit of length is known and which may be expressed by the formula:

$$C = \frac{2\pi\varepsilon}{\ln \frac{R_2}{R_1}}$$

where R_1 and R_2 are the radii of the exterior and of the interior conductor respectively. For purposes of the examination it is assumed that the thickness of the conductor is smaller by a multiple than its length. If these conditions are satisfied, all characteristic configurations of the conductors can be conformally transformed into concentric lines with the help of elliptic functions. Once the formula for conformal representation and the formula for the capacity of the concentric line is known, it is possible to obtain the formula for the capacity of the conductors of the various configurations.

At first the capacity between parallel printed conductors of equal breadth located on one side of the insulating plate is investigated. The latter are located on the plane w and are conveyed on to the concentric line on the plane z by means of a conformal representation. This is done according to the formula:

$$w = Sn\ (K \frac{\ln z}{\ln R})$$

where Sn is the elliptic sine and ln is $R = \pi \frac{K}{K'}$. The quantities K and K' are completely elliptic integrals. If we denote $\frac{K}{K'} = G_1$ we obtain

$$C = 8{,}85\ G_1\ \left[pF/m \right]$$

If the conductor and the conducting plane differ considerably in breadth, we obtain:

$$C = 17{,}7\ G_2$$

Next, the capacity between parallel printed conductors is investigated which lie, one beneath the other, on different sides of the insulating plane. For

KONONOVICH, L. M.

В. В. Фурдуев,
С. Н. Кречмер

Текущее автокоррелирование речевого сигнала.

9 июня
(с 18 до 22 часов).

И. Д. Симонов,
С. Г. Корсунский

Электромузыкальные инструменты.

В. С. [illegible]

О возможности временной передачи [illegible] кажущегося источника звука при стереофонической и [illegible] звукопередачах.

Л. М. Кононович

Стереофоническое воспроизведение звука.

10 июня
(с 10 до 16 часов)

В. А. [illegible],
Н. А. [illegible]

Контроль и измерение трактов в крупных системах проводного вещания.

А. С. Голубев

Методы коррекции соединительных линий трактов в крупных системах проводного вещания

60

В. Н. [illegible]

Полупроводниковые корректирующие усилители МГРС для соединительных линий.

В. А. [illegible]

Новый прибор для дистанционного измерения качественных показателей в проводном вещании.

10 июня
(с 18 до 22 часов)

И. Д. [illegible]

Звукоусилительные станции на полупроводниковых элементах.

Н. Н. [illegible]

Анализ нелинейных искажений, возникающих при воздействии на нелинейную систему одного и двух синусоидальных токов.

11 июня
(с 10 до 16 часов)

ВЫЕЗДНОЕ ЗАСЕДАНИЕ НА МОСФИЛЬМЕ

Е. З. [illegible] Нестерук В. Ф.

Новая система широкоформатного стереофонического кинематографа с демонстрацией экспериментального фильма, снятого по этой системе.

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Report submitted for the Centennial Meeting of the Scientific Technological Society of Radio Engineering and Electrical Communications im. A. S. Popov (VNORiE), Moscow, 8-12 June. 1959

GALKIN, David Isayevich; KONONOVICH, Lev Mironovich; KOROL'KOV, Vadim Georgiyevich; KUZ'MINOV, A.I., red.; LARIONOV, G.Ye., tekhn. red.

[Stereophonic broadcasting and sound recording] Stereofonicheskoe radioveshchanie i zvukozapis'. Moskva, Gosenergoizdat, 1962. 126 p. (Massovaia radiobiblioteka, no.436) (MIRA 15:6)
(Radiobroadcasting) (Acoustical engineering)
(Magnetic recorders and recording)

S/108/62/017/007/004/008
D288/D308

9,3273

AUTHOR: Kononovich, L. M., Member of the Society (see Association)

TITLE: Non-linear distortion in FM transmission through channels of limited pass band width

PERIODICAL: Radiotekhnika, v. 17, no. 7, 1962, 34-38

√B

TEXT: The author employs Bessel functions for the spectral analysis of FM signals of arbitrary m, passing networks with rectangular amplitude- and linear phase response. Formulas are derived for the determination of "proportionality coefficients" for low order harmonics, which assume a simple form in the important case of low value m and narrow band filter networks. A practical example is calculated and illustrated by a diagram of 3rd harmonic percentages vs. bandwidth, with various m-values as parameter. There are 2 figures. The most important English-

Card 1/2

Non-linear distortion in... S/108/62/017/007/004/008
D288/D308

√B

language reference reads as follows: J. F. A. Ormsby, IRE Trans. on Space Electronics and Telemetry, v. 6, no. 3-4, 1960.

ASSOCIATION: Nauchno-tekhnicheskoye obshchestvo radiotekhniki i elektrosvyazi im. A. S. Popova (Scientific and Technical Society of Radio Engineering and Electrical Communications im. A. S. Popov) /Abstracter's note: Name of Association taken from first page of journal./

SUBMITTED: November 15, 1961 (initially)
February 8, 1962 (after revision)

Card 2/2

KONONOVICH, L. M.

BOGDANOVSKIY, G.A.; KONONOVICH, M.G.; KHOMCHENKO, G.P.

Determination of the true surface area by the electrochemical measurement of methanol adsorption. Zhur. fiz. khim. 38 no.10: 2509-2511 O '64. (MIRA 18:2)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova, Khimicheskiy fakul'tet.

KONONOVICH, Ye. D., aspirant

Artificial pastures on ravine slopes. Zhivotnovodstvo 20 no. 7:31-33 Jl '58. (MIRA 11:8)

1. Vsesoyuznyy institut kormov im. V.R. Vil'yamsa.
(Pastures and meadows)

CHERKASOVA, V.A., kand.sel'skokhozyzystvennykh nauk; KONONOVICH, Ye.D.

Planted pastures on the eroded slopes of the forest steppe of the Ukrainian S.S.R. Zemledelie 24 no.4:48-52 Ap '62. (MIRA 15:4)

1. Poltavskaya oblastnaya gosudarstvennaya sel'skokhozyaystvennaya opytnaya stantsiya.
(Ukraine—Pastures and meadows)

SENKOV, F.V., kand.tekhn.nauk; KONOVALOVA, A.P., inzh.; KONONOVICH, Yu.V., inzh.; YELISEYEVA, A.S., tekhnik; POLYAKOV, V.F., tekhnik; GROMOV, N.K., kand.tekhn.nauk, retsenzent; VOL'FKOVICH, M.Ye., retsenzent; CHABROV, I.M., red.

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1. Z oddzialu Chorob Wewnetrznych Instytutut Doskonalenia i Specjalizacji Kadr Lekarskich; ordynator, doc. dr. Walenty Harwig i z Zakladu Radiologii im. dr M.Warkenthin w Instytucie Gruzlicy; kierownik: dr Krystyna Ossowska.

(PYLORUS, diseases,
 prolapse of mucosa into duodenum)
(DUODENUM, diseases,
 prolapse of pyloric mucosa into duodenal bulb)

Kononowicz, Irena

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Z zakladu Radiologii Instytutu Gruzlicy Kierownik: doc. K. Ossowska
Dyrektor: prof. J. Misiewicz.

(TUBERCULOSIS, OSTEOARTICULAR, diag.
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1. Kafedra gistologii (zav. - prof. P.A.Koval'skiy) Belotserkovskogo sel'skokhozyaystvennogo instituta. Adres avtora: Kiyevskaya oblast' Belaya tserkov', ploshchad' Svobody, 7, Sel'skokhozyaystvennyy institut, Kafedra gistologii.

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